

## CLAIMS

1. An immunological test kit comprising a first immobilized reagent having affinity to a specific macromolecule, characterized in a second and a third affinity reagent specific for different determinantes of said macromolecule, and modified with crosslinkable oligonucleotides.

2. An immunological test kit according to claim 1, characterized in that the affinity reagents are antibodies, and that the macromolecule is a specific antigen.

3. An immunological test kit according to claim 1, characterized in that the affinity reagents are lectins, receptors, single chain antibodies, cofactors and nucleic acids.

4. An immunological test kit according to any one of the claims 1-3, characterized in that the oligonucleotides are complementary to each other.

5. An immunological test kit according to <sup>claim 1</sup> ~~any of the claims 1-4~~, characterized in that it further comprises a ligase.

6. An immunoassay for detection of a specific antigen, characterized in:

- a) contacting a sample suspected of containing said specific antigen with a first antibody linked to a solid support, said first antibody being specific for a first epitope on the antigen,
- b) washing off excess reagents,
- c) incubating with a solution of a second and a third antibody specific for a second and third epitope of said antigen, and modified with crosslinkable oligonucleotides enabling conjugation of said second and third antibody when both are bound to the said, same antigen,
- d) washing off excess reagents,
- e) amplifying said crosslinked oligonucleotides, and
- f) detecting the amplified products.

7. An immunoassay according to claim 6, characterized in that a ligase is added before step d).

2 8. An immunoassay according to claim 6 or 7, characterized in that an oligonucleotide complementary to the crosslinkable oligonucleotides is added before step d).

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add  
B4

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